FIG. 1

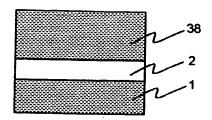
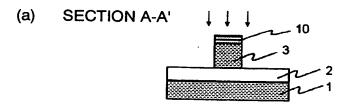
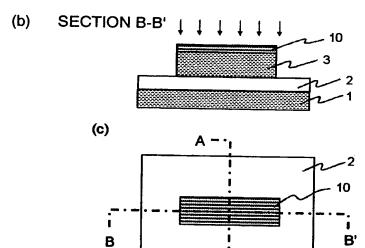


FIG. 2





A' - .1

Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 3

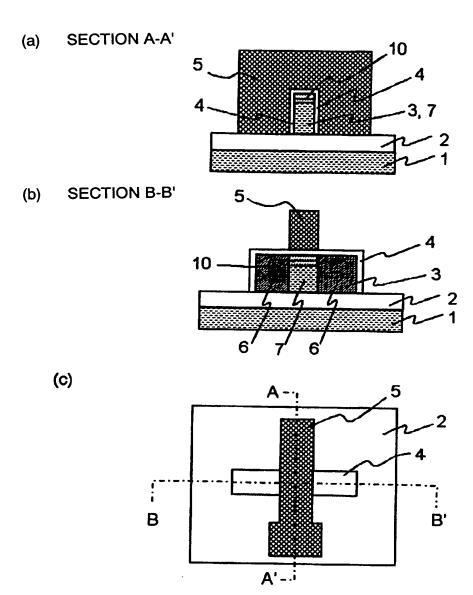
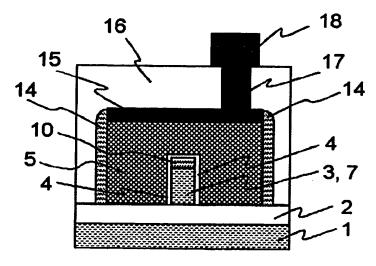
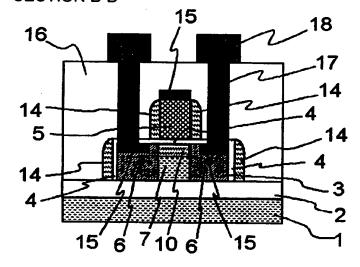


FIG. 4

(a) SECTION A-A'





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 5

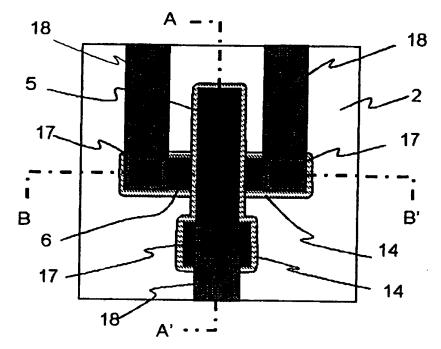
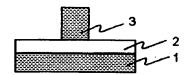


FIG. 6

(a) SECTION A-A'



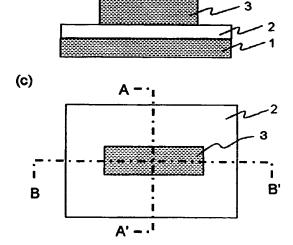
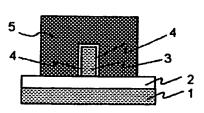
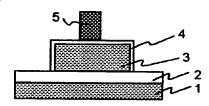


FIG. 7

(a) SECTION A-A'





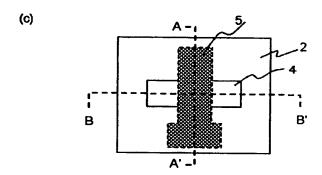


FIG. 8

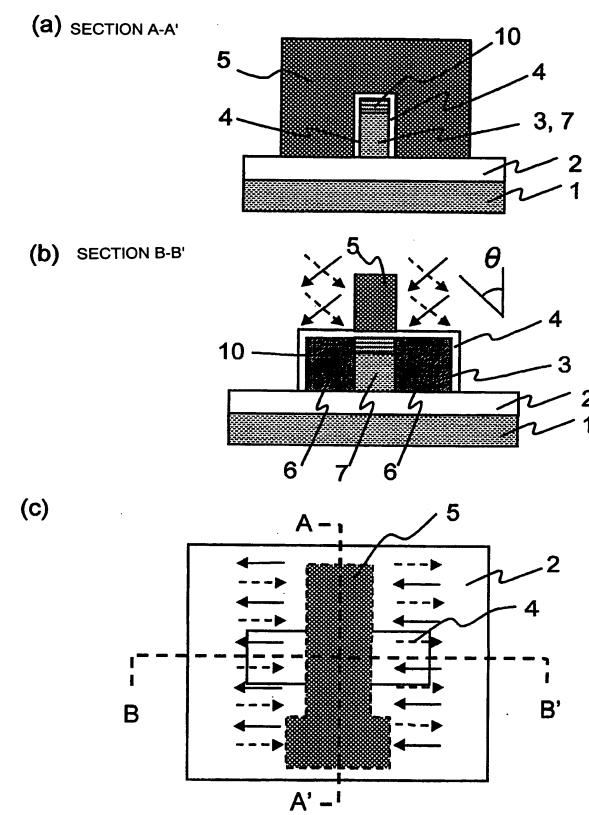


FIG. 9

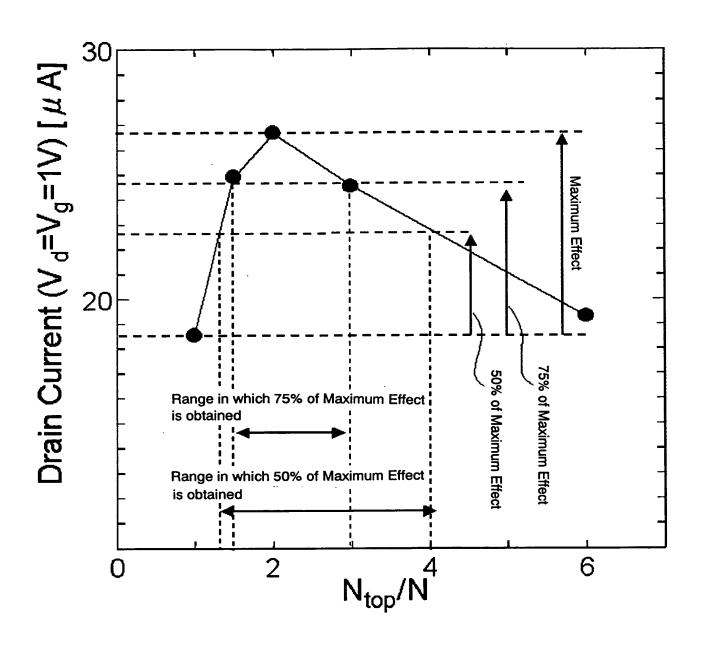
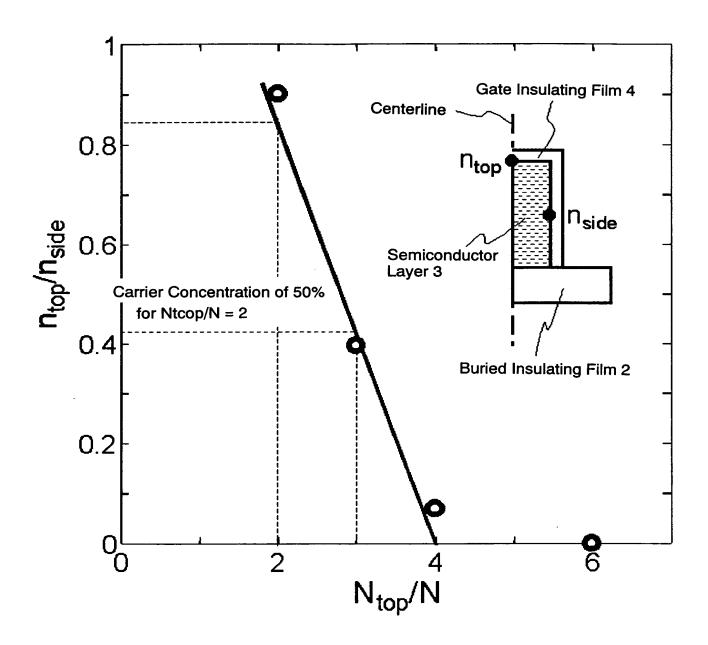


FIG. 10

DOCKET NO.: 040373-0396



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FIG. 11

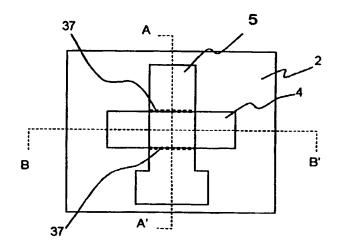


FIG. 12

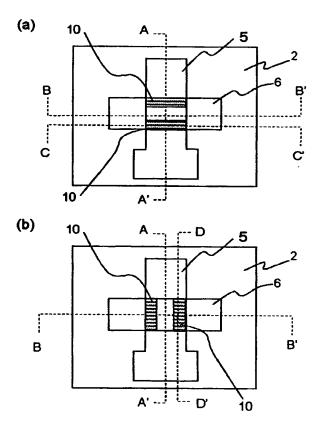


FIG. 13

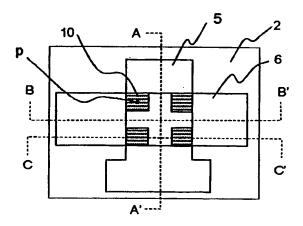
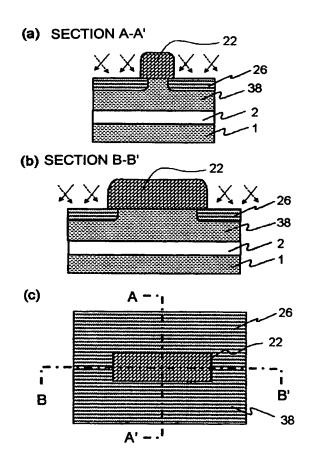
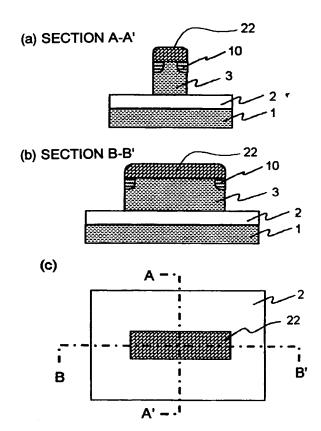


FIG. 14



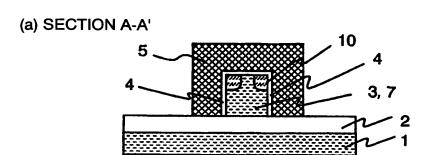
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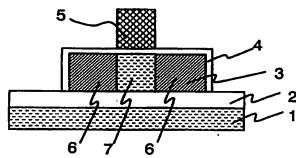
FIG. 15



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 16





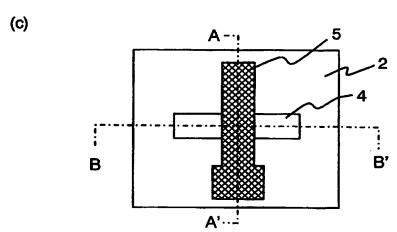
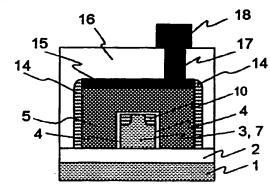


FIG. 17

(a) SECTION A-A'



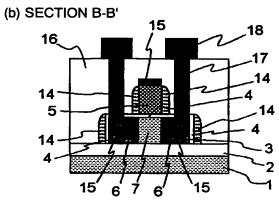
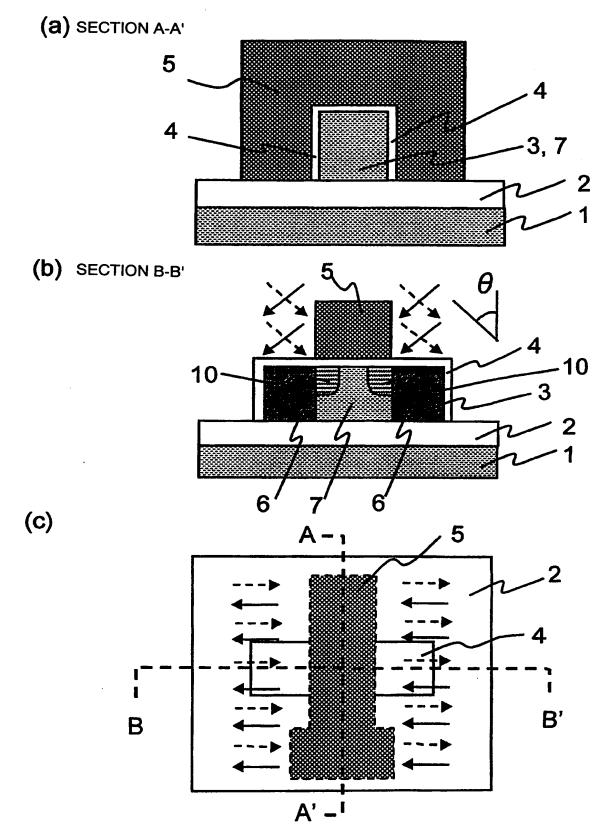
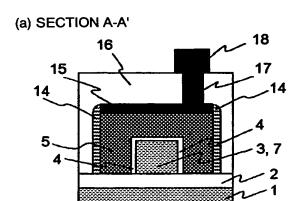


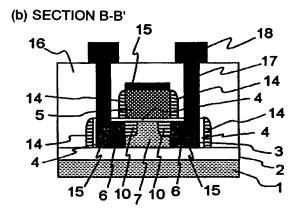
FIG. 18



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FIG. 19





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 20

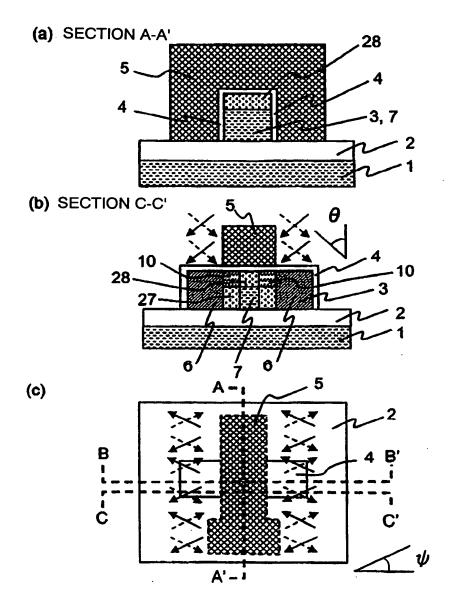
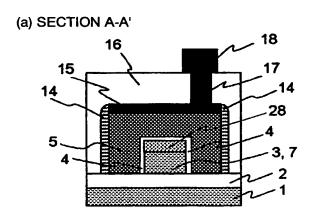
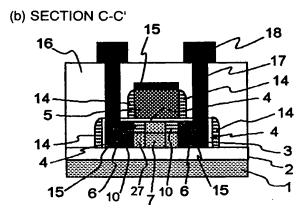


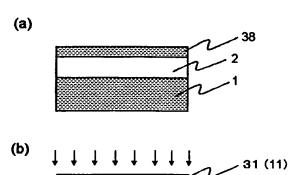
FIG. 21





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 22



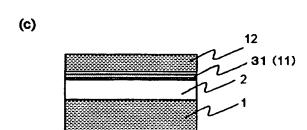
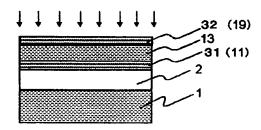
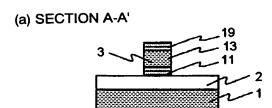


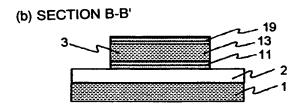
FIG. 23



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 24





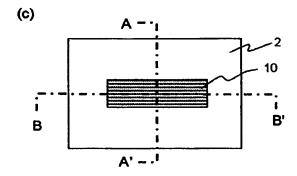
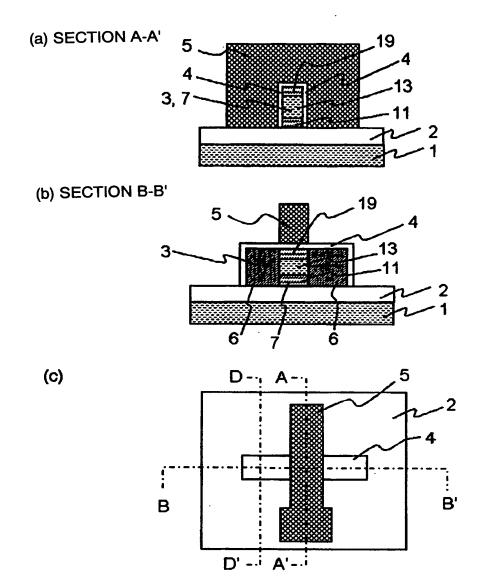


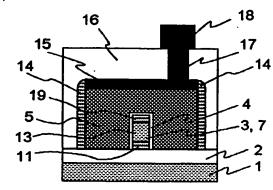
FIG. 25



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 26





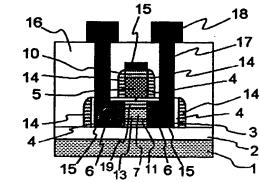
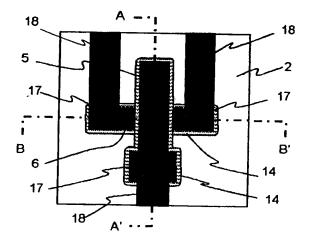
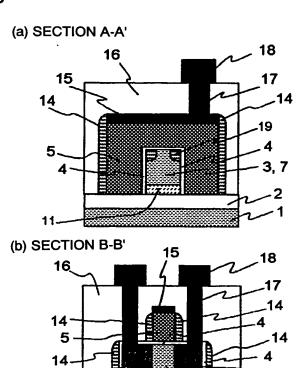


FIG. 27



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

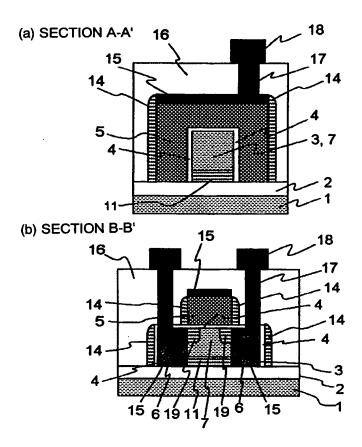
FIG. 28



4 -

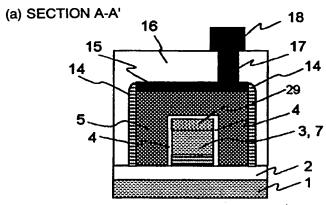
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

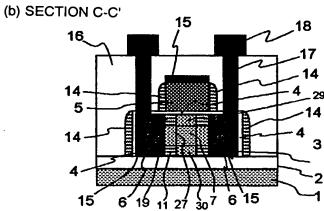
FIG. 29



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 30





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 31

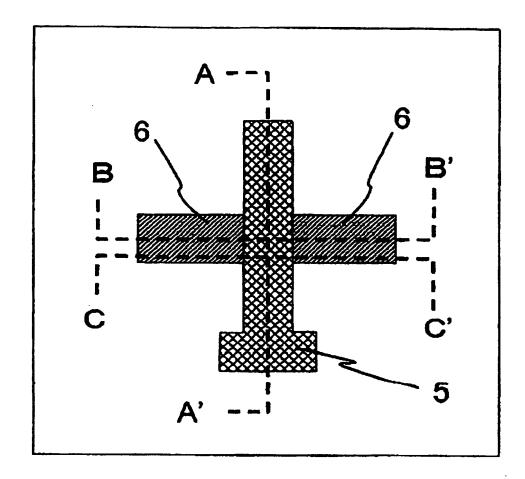
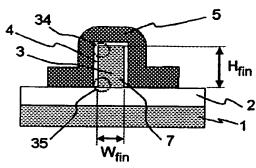
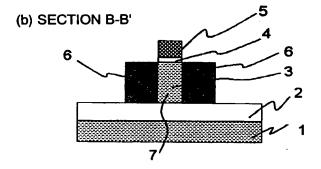


FIG. 32

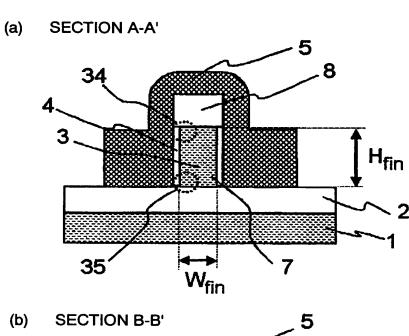
(a) SECTION A-A'





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FIG. 33



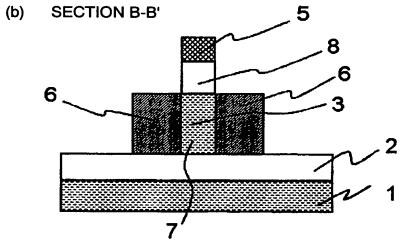


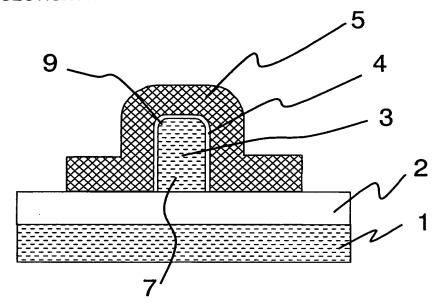
FIG. 34

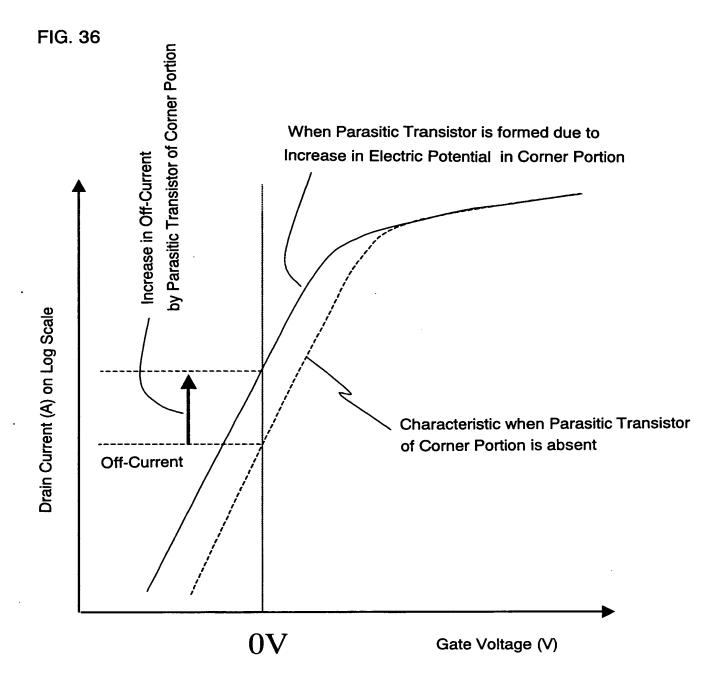
(a) 10nm **Upper Corner Portion** Gate Gate Insulating Film **Equipotential Line extends** in increments of 0.2 V from -0.4 Si to 0.4 V in this direction (b) 10nm Cap SiO₂ Gate **Upper Corner Portion** Gate Insulating Film **Equipotential Line extends** in increments of 0.2 V from -0.4 Si to 0.4 V in this direction

Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 35

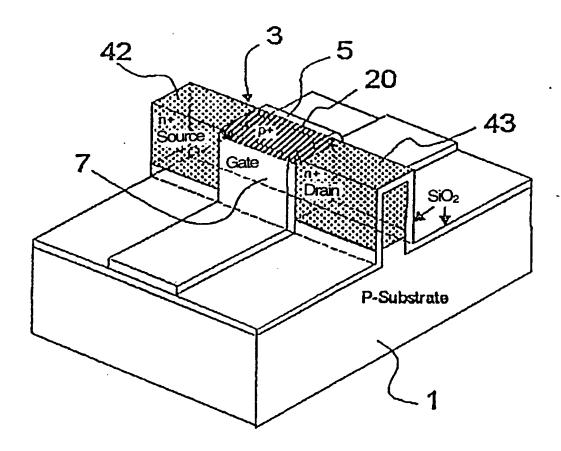
SECTION A-A'





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

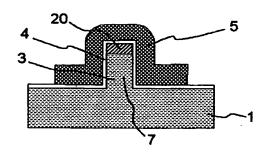
FIG. 37



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 38

(a) SECTION A-A'



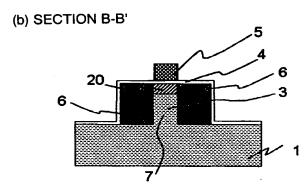
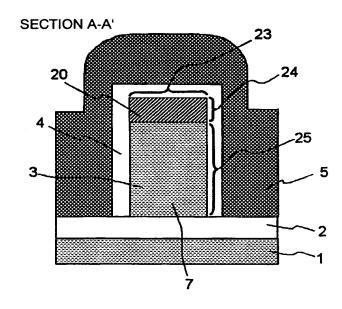


FIG. 39



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 40

SECTION A-A'

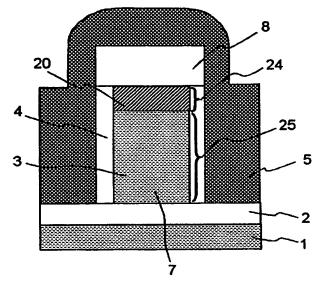
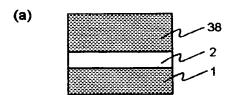
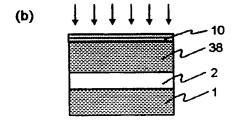


FIG. 41





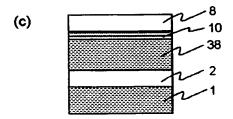
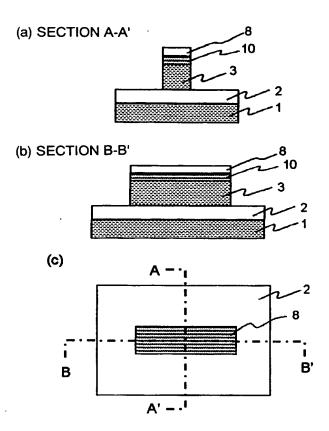
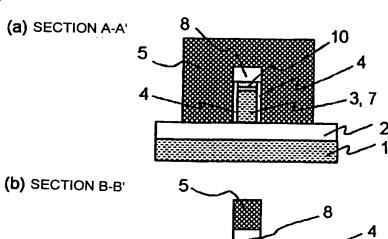


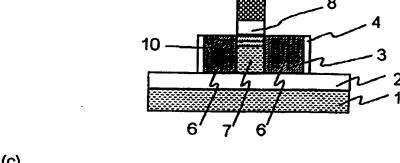
FIG. 42

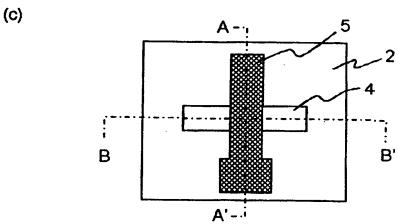


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FIG. 43

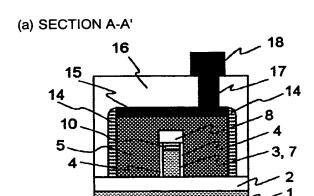


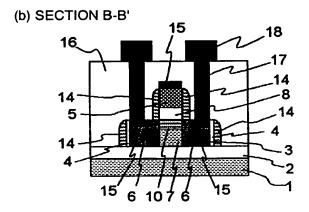




Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

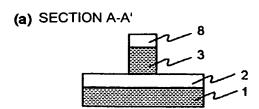
FIG. 44

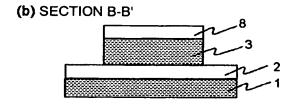




Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 45





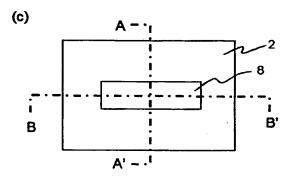
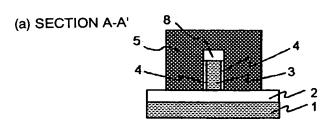
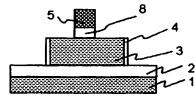


FIG. 46







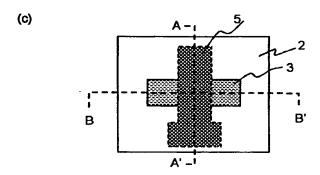


FIG. 47

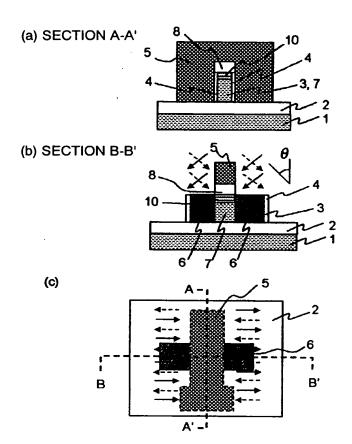


FIG. 48

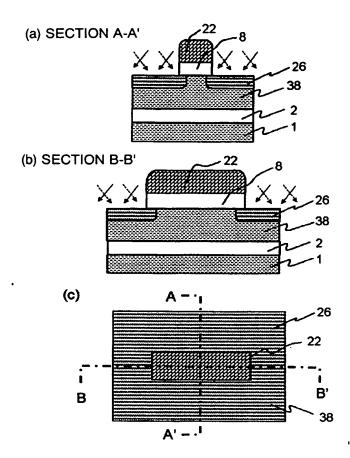
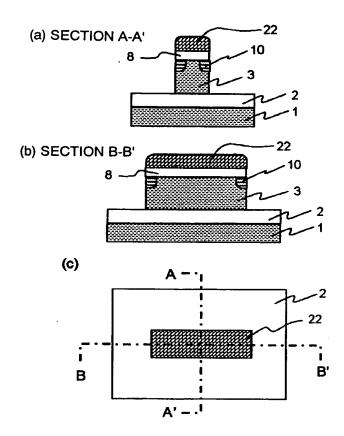
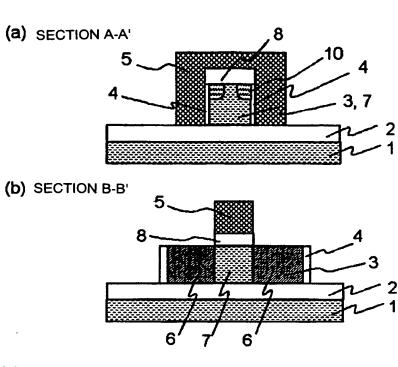


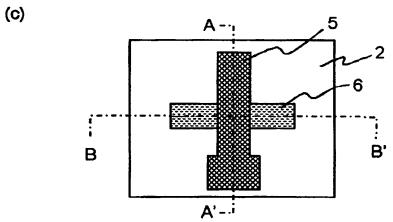
FIG. 49



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 50

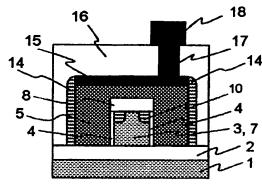


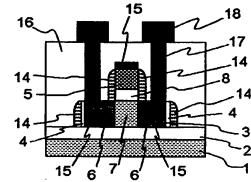


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 51

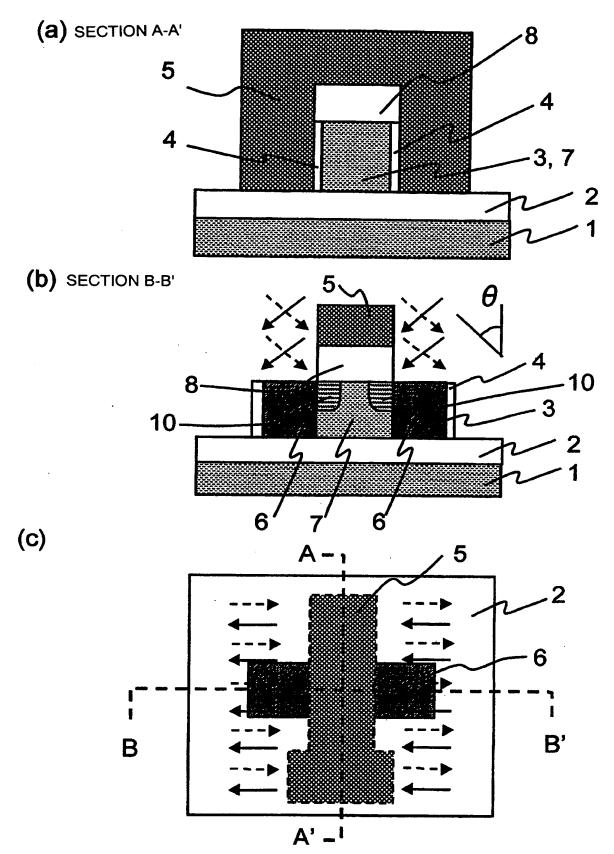






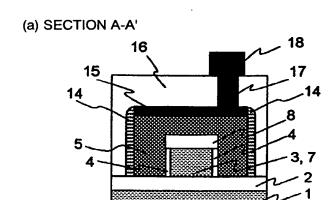
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 52



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 53



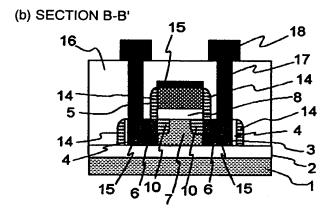
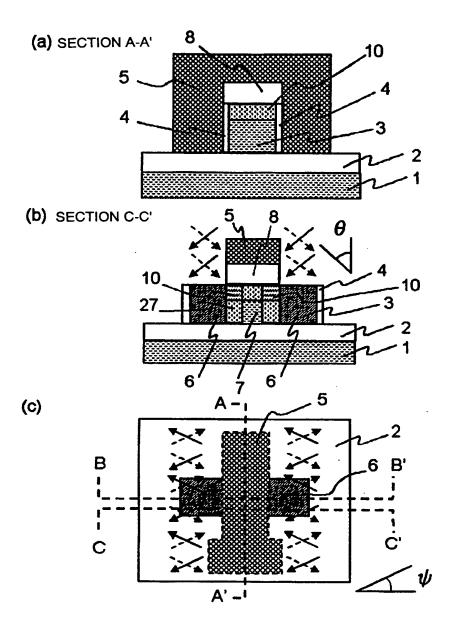


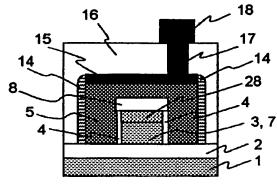
FIG. 54



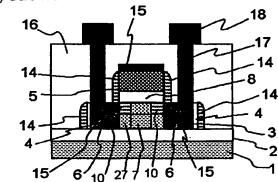
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 55



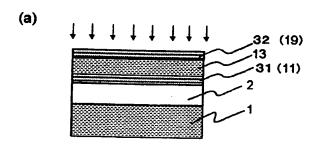


(b) SECTION C-C'



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 56



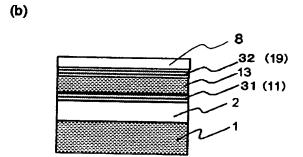
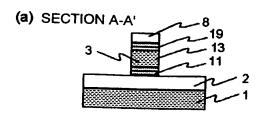
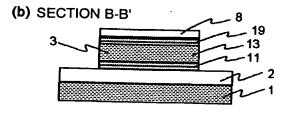
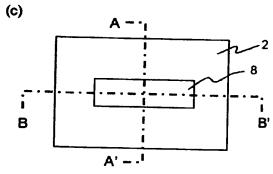


FIG. 57

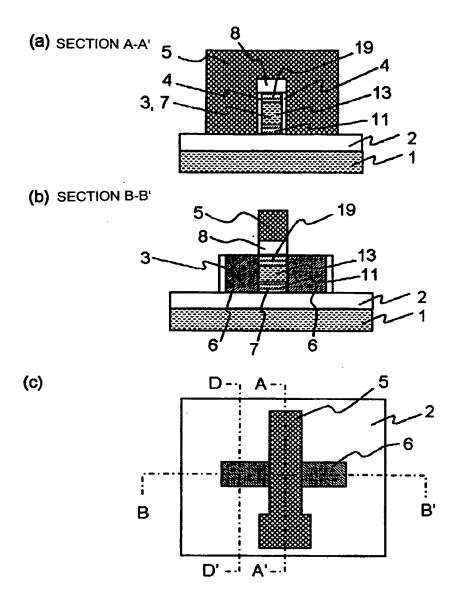






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FIG. 58



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 59

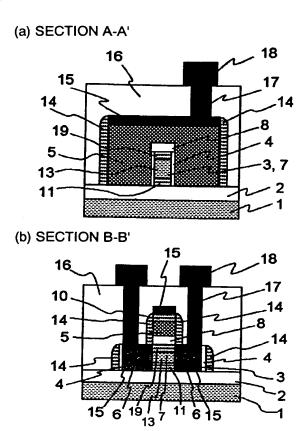
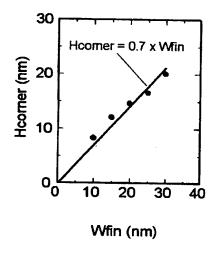
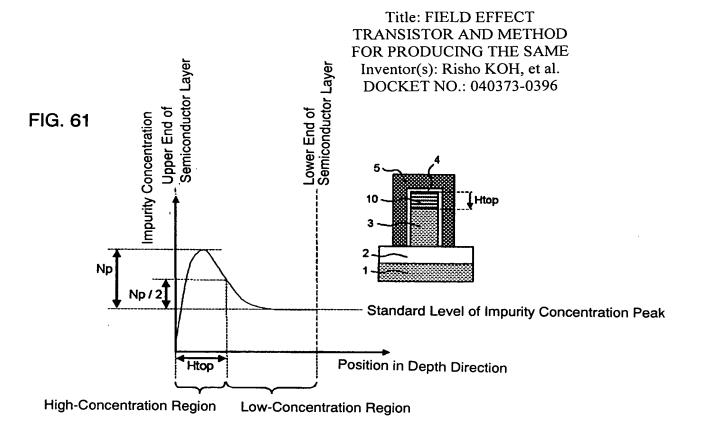
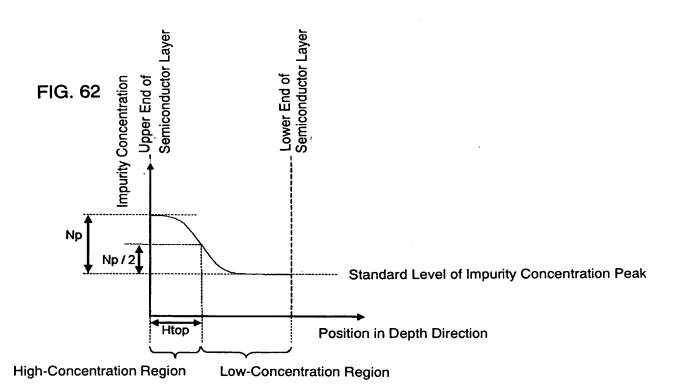


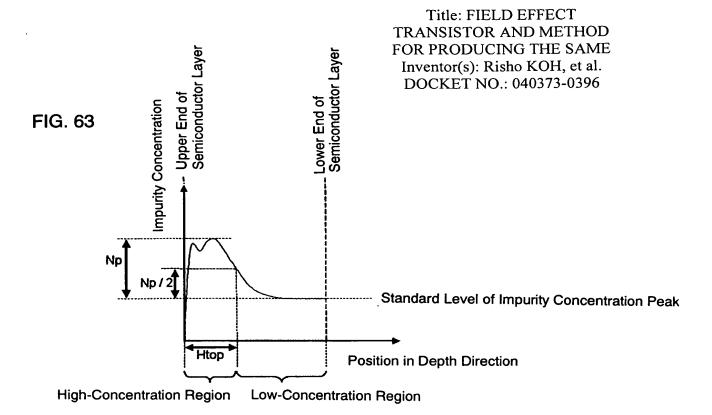
FIG. 60

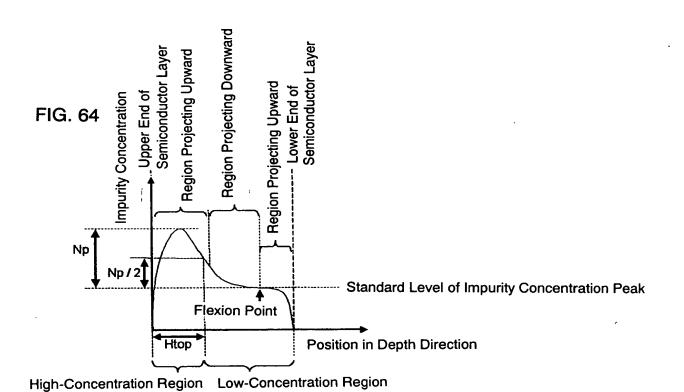
Dependency on Fin Width (Wfin) of Depth (Hcorner) in which Electric Field Concentration Occurs





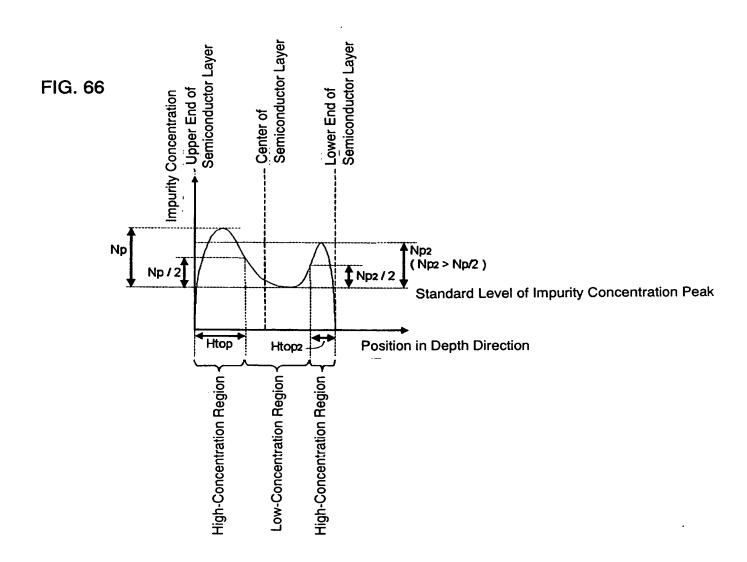


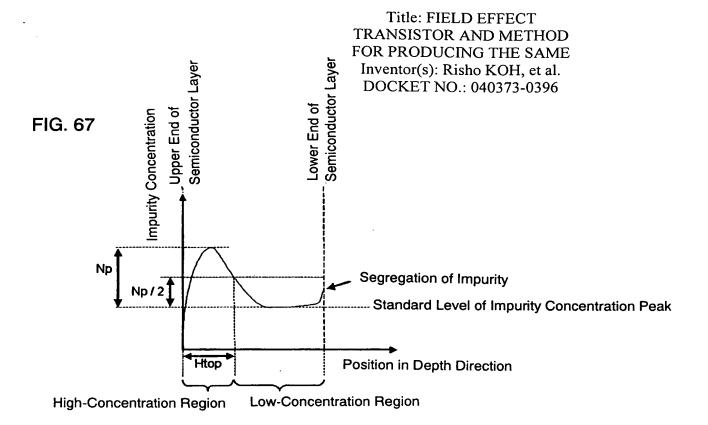




Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Region Projecting Downward Inventor(s): Risho KOH, et al. Upper End of Semiconductor Layer .- Lower End of Semiconductor Layer Region Projecting Upward DOCKET NO.: 040373-0396 Region Projecting Upward FIG. 65 Impurity Concentration Np/2 Standard Level of Impurity Concentration Peak Flexion Point Position in Depth Direction Htop

High-Concentration Region Low-Concentration Region





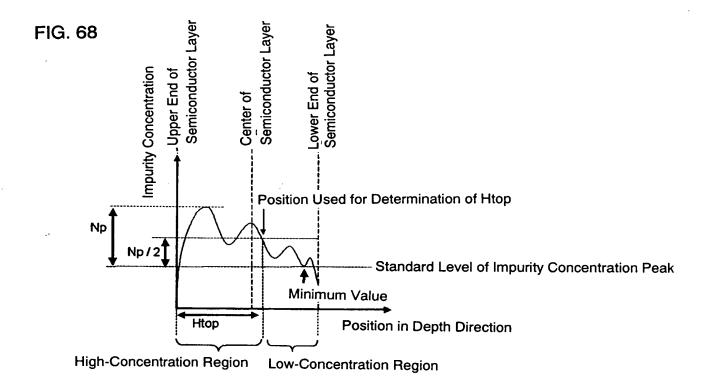


FIG. 69

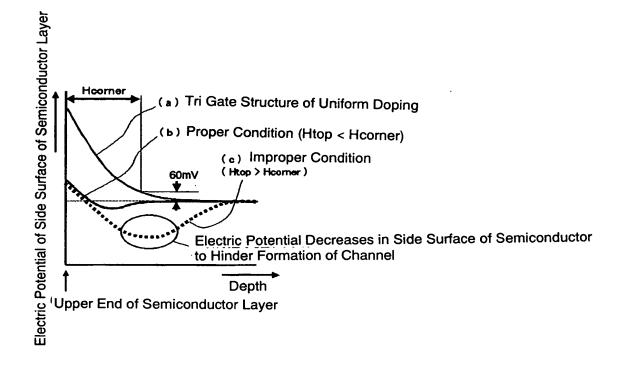
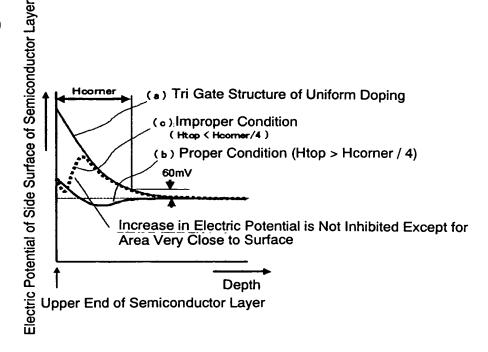


FIG. 70



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 71

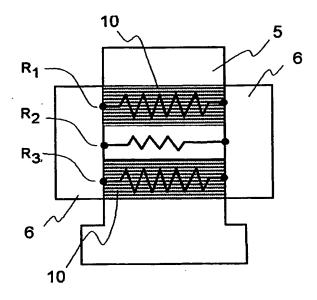
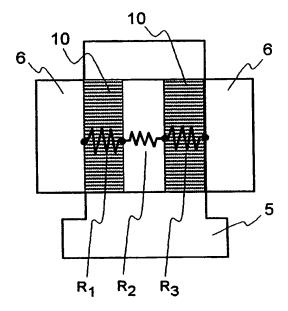
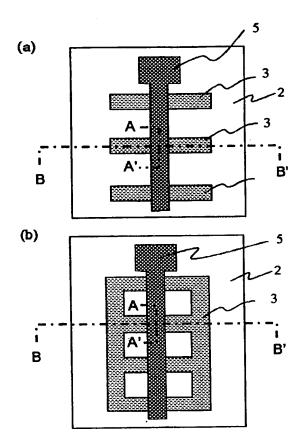


FIG. 72



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

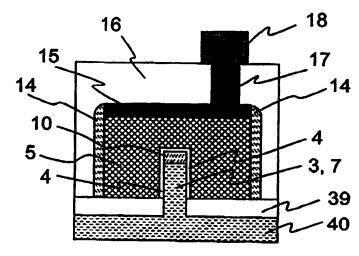
FIG. 73

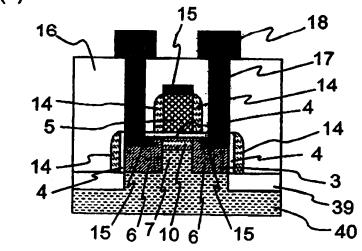


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 74

(a) SECTION A-A'

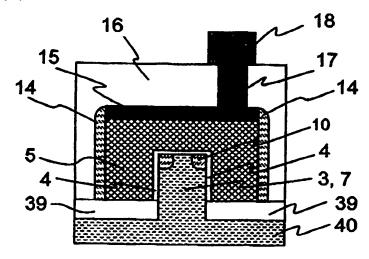


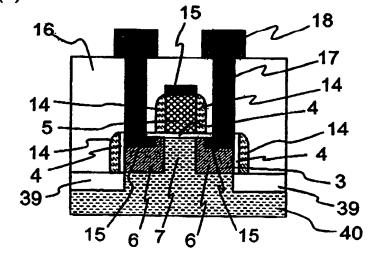


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 75

(a) SECTION A-A'



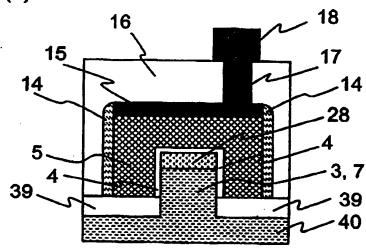


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al.

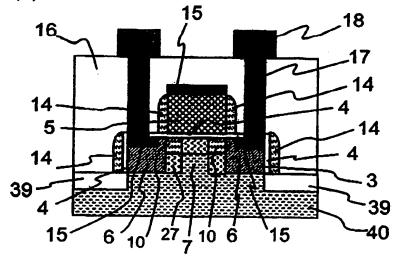
DOCKET NO.: 040373-0396

FIG. 76





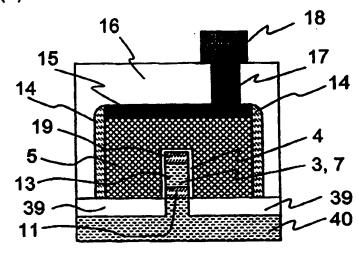
(b) SECTION C-C'

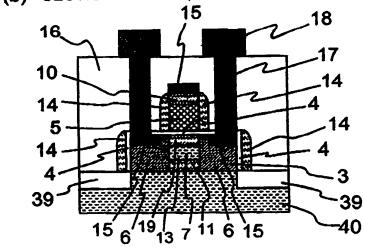


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 77

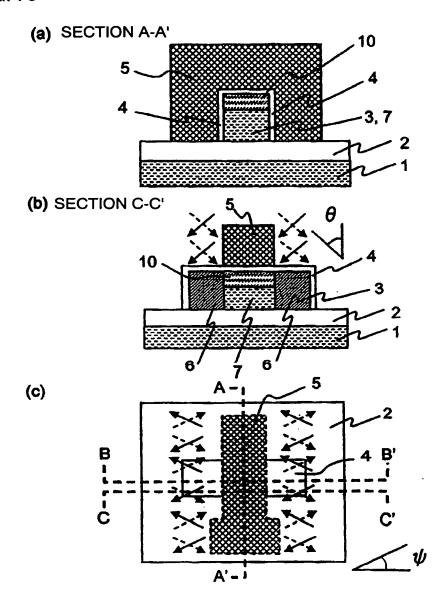






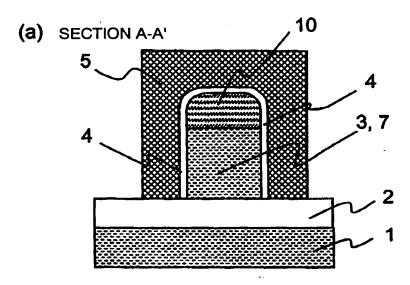
Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 78

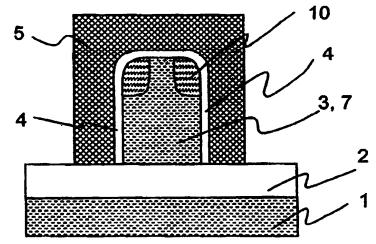


Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 79



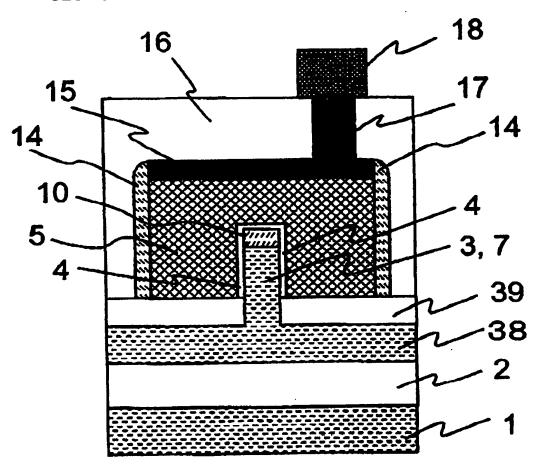




Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

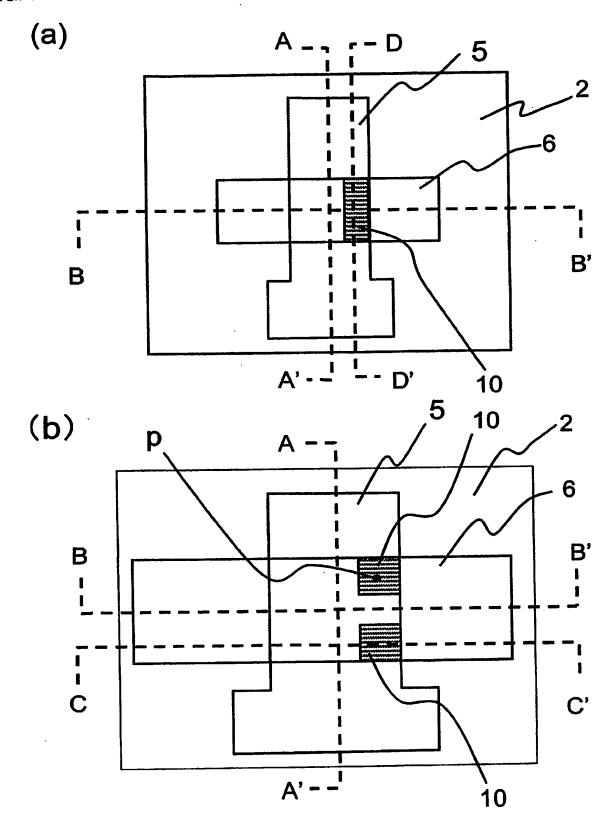
FIG. 80





Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 81



Title: FIELD EFFECT TRANSISTOR AND METHOD FOR PRODUCING THE SAME Inventor(s): Risho KOH, et al. DOCKET NO.: 040373-0396

FIG. 82

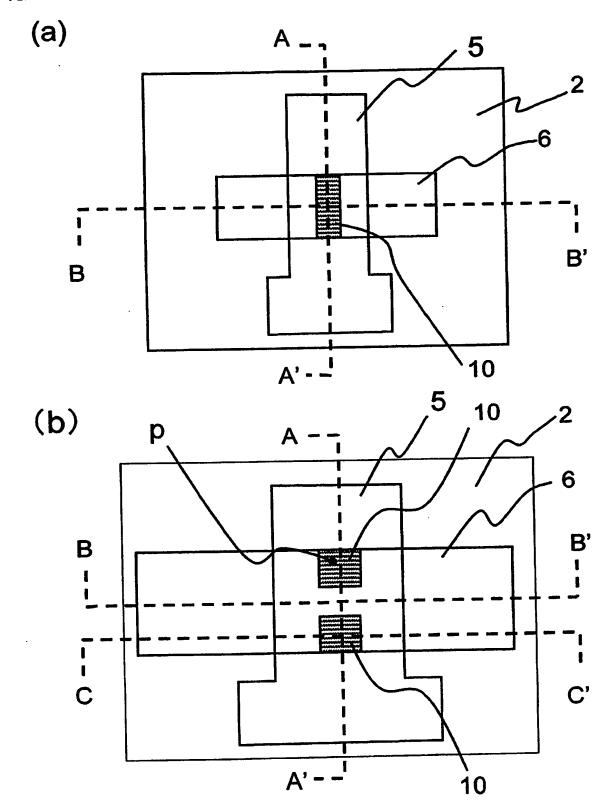
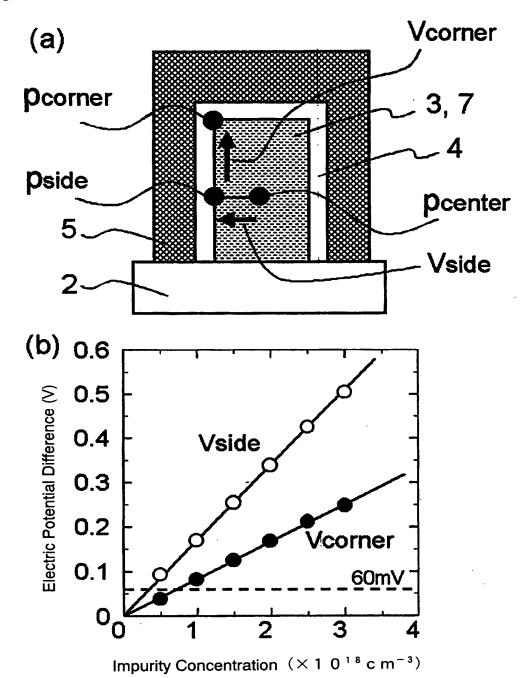


FIG. 83



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